INTERNATIONAL SEARCH REPORT

Int; onal Application No

			917 NEE0047 0007 7 0					
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B21D22/14								
According to International Batant Classification (IDC) anto both national classification and IDC								
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED								
Minimum documentation searched (classification system followed by classification symbols)								
IPC 7 B21D								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)								
EPO-Internal, PAJ								
C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the rele	Relevant to claim No.						
х	WO 02/053307 A (POLLKOETTER GUENT LEICO GMBH & CO WERKZEUGMASCHB (D 11 July 2002 (2002-07-11) the whole document	1-10						
A	JP 58 003729 A (MATSUSHITA DENKO 10 January 1983 (1983-01-10) the whole document	1,6						
А	PATENT ABSTRACTS OF JAPAN vol. 0070, no. 74 (M-203), 26 March 1983 (1983-03-26) & JP 58 003729 A (MATSUSHITA DENK 10 January 1983 (1983-01-10) abstract	1,6						
<u> </u>								
Further documents are listed in the continuation of box C. Patent family members are listed in annex.								
° Special categories of cited documents : 'T' later document published after the international filing date								
"A" document defining the general state of the art which is not considered to be of particular relevance or priority date and not in conflict with the application but died to understand the principle or theory underlying the townston								
"E" earlier document but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to								
"L" docume	nt which may throw doubts on priority claim(s) or	involve an inventive st	ep when the document is taken alone					
which is died to establish the publication date of another citation or other special reason (as specified) "O" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other special reason."								
other r	means		ion being obvious to a person skilled					
later th		'&' document merriber of the same patent family						
Date of the actual completion of the international search Date of mailing of the international search report								
20 January 2005		28/01/2005						
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2		Authorized officer						
	NL – 2280 HV Rljswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni,	Ris, M						
Fax: (+31-70) 340-3016		ויו , כוח						

INTERNATIONAL SEARCH REPORT

rmation on patent family members

In Ional Application No

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 02053307	A	11-07-2002	DE WO EP JP US	10115815 A1 02053307 A1 1347849 A1 2004516940 T 2004034980 A1	04-10-2001 11-07-2002 01-10-2003 10-06-2004 26-02-2004
JP 58003729	A	10-01-1983	NON		